



SOUTH CITY CAMPUS
1575 SOUTH STATE STREET
SALT LAKE CITY, UTAH

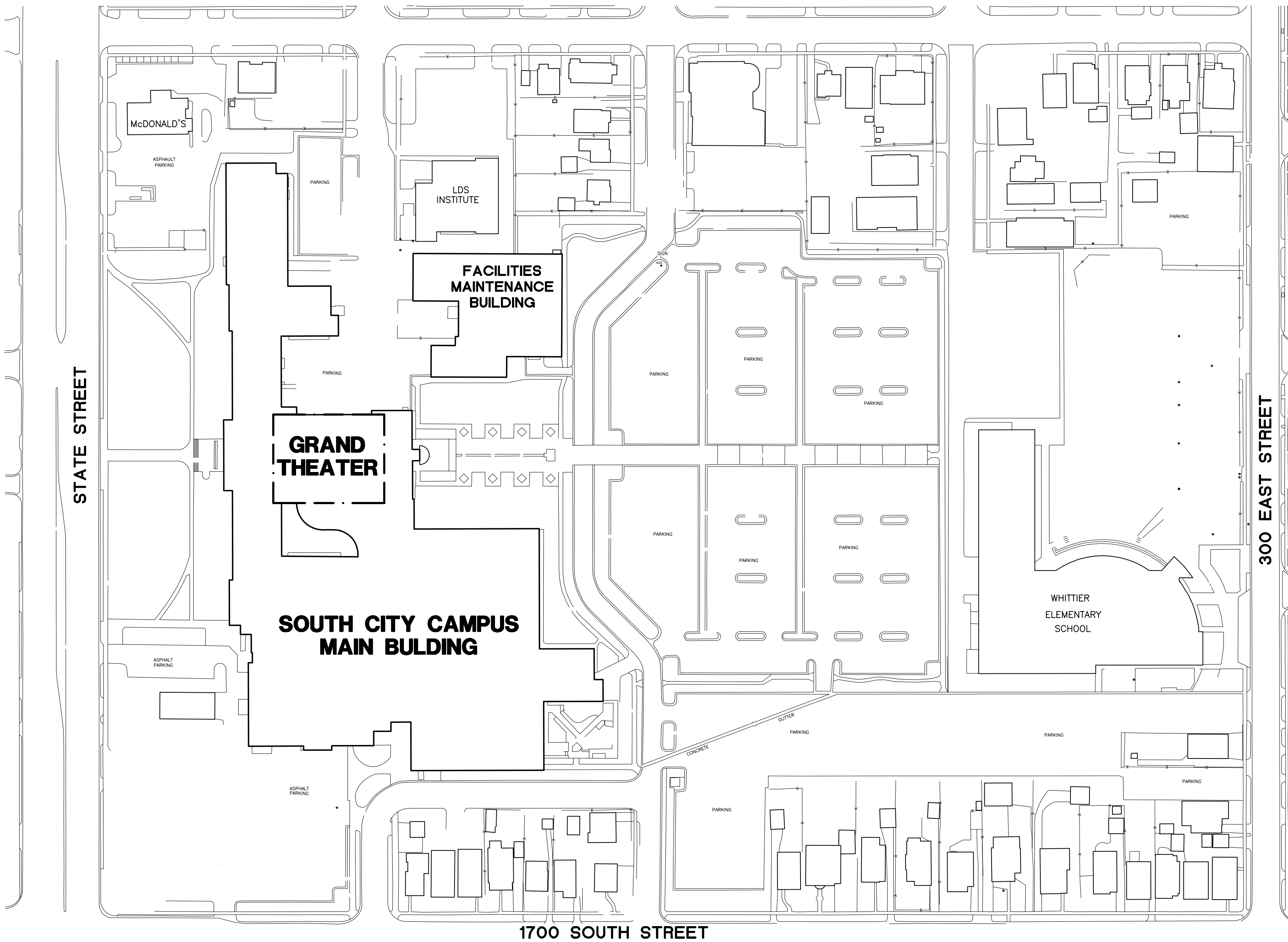
GRAND THEATER ELECTRICAL UPGRADES DFCM PROJECT NO. 06191670



State of Utah-Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

4110 State Office Building / Salt Lake City, Utah 84114 / 538-3018



SLCC SOUTH CITY CAMPUS PLAN
SCALE: 1" = 100'-0"
NORTH

CODE ANALYSIS

| APPLICABLE CODES | | |
|--|------|-------------------------------|
| | Year | Year |
| International Building Code | 2006 | National Electrical Code 2005 |
| International Mechanical Code | N/A | Uniform Code for |
| International Plumbing Code | N/A | Building Conservation |
| International Fire Code | 2006 | ADA Accessibility |
| International Energy Conservation Code | 2006 | Guidelines N/A |

A. Occupancy and Group: A-1 B
Change in Use: Yes No X Mixed Occupancy: Yes X No
Special Use and Occupancy (e.g. High Rise, Covered Mall):

B. Seismic Design Category: N/A Design Wind Speed: N/A mph

C. Type of Construction (circle one): Existing
I I II II III III IV V V
A B A B A B HT A B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):
North: N/A South: N/A East: N/A West: N/A

E. Mixed Occupancies: N/A Nonseparated Uses: N/A

F. Sprinklers:
Required: Provided: Type of Sprinkler System: Existing

G. Number of Stories: N/A Building Height: N/A

H. Actual Area per Floor (square feet): N/A

I. Tabular Area: N/A

J. Area Modifications:
$$a) A_s = A_1 + \left[\frac{A_1 I_1}{100} \right] + \left[\frac{A_1 I_2}{100} \right] \quad I_1 = 100 \left[\frac{F}{P} - 0.25 \right] \frac{W}{30}$$

b) Sum of the Ratio Calculations for Mixed Occupancies:
Actual Area
Allowable Area ≤ 1

c) Total Allowable Area for:
1) One Story: N/A
2) Two Story: A₂ (2) N/A
3) Three Story: A₃ (3) N/A
d) Unlimited Area Building: Yes No Code Section:

| Element | Hours | Assembly Listing | Element | Hours | Assembly Listing |
|----------------------------|-------|------------------|----------------------------|-------|------------------|
| Exterior Bearing Walls | N/A | | Floors - Ceiling Floors | N/A | |
| Interior Bearing Walls | N/A | | Roofs - Ceiling Roofs | N/A | |
| Exterior Non-Bearing Walls | N/A | | Exterior Doors and Windows | N/A | |
| Structural Frame | N/A | | Shaft Enclosures | N/A | |
| Partitions - Permanent | N/A | | Fire Walls | N/A | |
| Fire Barriers | N/A | | Fire Partitions | N/A | |
| | | | Smoke Partitions | | |

L. Design Occupant Load: N/A
Exit Width Required: N/A Exit Width Provided: N/A

M. Minimum Number of Required Plumbing Facilities:
a) Water Closets - Required (m) N/A (f) N/A Provided (m) (f)
b) Lavatories - Required (m) N/A (f) N/A Provided (m) (f)
c) Bath Tubs or Showers: N/A
d) Drinking Fountains: N/A Service Sinks: N/A

- FOOTNOTES:
- In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
 - Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
 - High Rise Requirements.
 - Airflows.
 - Performance Based Criteria.
 - Means or Egress Analysis.
 - Fire Assembly Locator Sheet.
 - Exterior and Interior Accessibility Route.
 - Fire Stopping, Including Tested Design Number.

DRAWING INDEX

| SHEET NUMBER | SHEET TITLE |
|--------------|---|
| 1 | G-001 LOCATION PLAN, CODE CRITERIA, AND DRAWING INDEX |
| 2 | E-101 MAIN AND SECOND LEVELS ELECTRICAL PLANS |
| 3 | E-102 THIRD LEVEL ELECTRICAL PLAN AND SCHEDULES |
| 4 | E-301 ELECTRICAL DETAILS |

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PROJECT ENGINEER:

**THOMAS & KOLKMAN
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64 WEST 1700 SOUTH
SALT LAKE CITY, UTAH 84115
TELEPHONE: (801) 484-8181
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CONSULTANTS:

PROJECT:

Salt Lake
Community
College

SOUTH CITY CAMPUS
1575 SOUTH STATE STREET
SALT LAKE CITY, UTAH

GRAND THEATER
ELECTRICAL
UPGRADES

REVISIONS:

| MARK | DATE | DESCRIPTION |
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SHEET TITLE:

LOCATION PLAN,
CODE CRITERIA,
AND DRAWING INDEX

SHEET NUMBER:

G-001

SHEET 1 OF 4

| | | |
|---|----------------------|--------------------|
| DIMMER TYPES: | D STANDARD DIMMER | R RELAY MODULE |
| | F FLUORESCENT DIMMER | CB CIRCUIT BREAKER |
| NOTE: PROVIDE NEW DIMMER SECTION 3 WITH PHASE BALANCED CIRCUIT NUMBERING TO MATCH EXISTING DIMMER SECTIONS. | | |

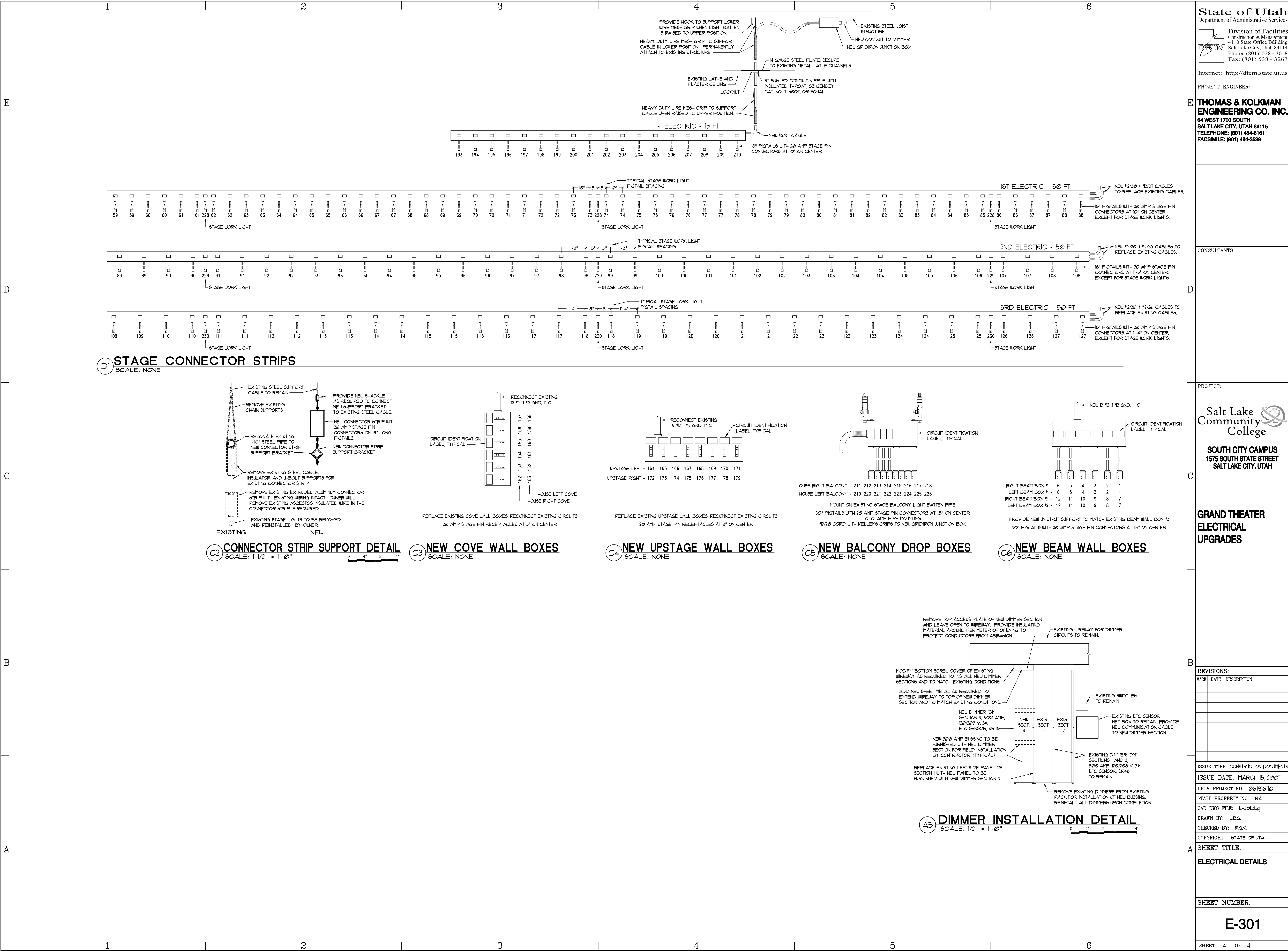
PROVIDE THE FOLLOWING EXTRA MATERIAL STOCK:

1. 6 EACH 150 WATT PAR 38 FLOOD LAMPS.
2. 4 EACH BLUE FILTERS WITH ACCESSORY HOLDER FOR TRACK LIGHTS.



- KEYED NOTES:**
FOR SHEET E-102 ONLY
- ① REPLACE EXISTING STAGE LIGHTING CONNECTOR STRIP AND DROP CABLES WITH NEW CONNECTOR STRIP AND DROP CABLES. SEE DVE-301 FOR LAYOUT.
 - ② EXISTING CONNECTOR OUTLET DROP BOX MOUNTED ON STAGE BATTEN PIPE TO REMAIN. REPLACE 6 EACH TWIST-LOCK PIGTAIL CONNECTORS WITH NEW STAGE PIN CONNECTORS.
 - ③ EXISTING GRIDIRON JUNCTION BOXES LOCATED ON FLY GRID ABOVE AND EXISTING CIRCUITS TO EXISTING DIMMER RACK TO REMAIN.
 - ④ PROVIDE 6 NEW STAGE WORK LIGHT UNITS AND INSTALL ON EXISTING STAGE LIGHTING BATTENS. FIELD COORDINATE EXACT LOCATION WITH QUINER.
 - ⑤ PROVIDE NEW CIRCUITS AS SHOWN FOR NEW STAGE WORK LIGHT UNITS. CONNECT THROUGH EXISTING GRIDIRON JUNCTION BOXES. MODIFY PROGRAMMING FOR EXISTING HOUSE LIGHTS CONTROL PANELS TO INCLUDE CONTROLLING OF THE STAGE WORK LIGHTS.
 - ⑥ EXISTING STAGE BATTEN TO REMAIN. REMOVE 1 EXISTING CORD CONNECTIONS TO EXISTING STAGE LIGHTING CONNECTOR STRIPS. SALVAGE EXISTING CORDS FOR QUINER.
 - ⑦ PROVIDE NEW STAGE LIGHTING CONNECTOR STRIP ON EXISTING LIGHT BATTEN COMPLETE WITH NEW DROP CABLE TO ATTIC SPACE ABOVE. SEE DVE-301 FOR LAYOUT.
 - ⑧ REMOVE NEW GRIDIRON JUNCTION BOX IN ATTIC SPACE FOR CONNECTION TO NEW CONNECTOR STRIP. PROVIDE NEW CIRCUITS THROUGH ATTIC SPACE TO NEW DIMMER SECTION 3.
 - ⑨ REMOVE EXISTING LAMP SHIELDS FROM EXISTING TOP LAMP RECESSED INCANDESCENT FIXTURES.
 - ⑩ EXISTING CONNECTOR OUTLET WALL BOX MOUNTED IN ATTIC SPACE TO REMAIN. REPLACE 6 EACH TWIST-LOCK PIGTAIL CONNECTORS WITH NEW STAGE PIN CONNECTORS.
 - ⑪ REMOVE EXISTING EXTENDED ALUMINUM CONNECTOR STRIP FROM ATTIC WITH EXISTING WIRE INTACT. QUINER WILL REMOVE EXISTING ASBESTOS INSULATED WIRE IN THE CONNECTOR STRIP REQUIRED.
 - ⑫ REPLACE EXISTING STAGE LIGHTING STRIP TERMINAL BOX WITH NEW JUNCTION BOX MINIMUM 12" X 24" X 6" FOR CONNECTION OF EXISTING CIRCUITS TO NEW BEAM WALL BOXES AS SHOWN. PROVIDE NEW SUPPORT FOR JUNCTION BOX FROM EXISTING STRUCTURE ABOVE.
 - ⑬ PROVIDE NEW CONNECTOR OUTLET WALL BOX IN ATTIC. SEE CG-6-301 FOR LAYOUT. PROVIDE NEW UNISTRUT CHANNEL TO SUPPORT FROM EXISTING STEEL POSTS TO MATCH MOUNTING OF EXISTING BEAM WALL BOX 13.
 - ⑭ EXISTING WALL MOUNTED CONNECTOR OUTLET WALL BOX TO REMAIN. REPLACE 16 EACH TWIST-LOCK PIGTAIL CONNECTORS WITH NEW STAGE PIN CONNECTORS.
 - ⑮ A CONCURRENT CONSTRUCTION PROJECT WILL BE PERFORMED TO REPLACE EXISTING FLY GRID WOOD PLANKING WITH NEW STEEL PLANKING. REFER TO DCHP PROJECT NO. 06/16/10. COORDINATE WITH QUINER AND OTHER CONTRACTOR TO AVOID CONFLICTS WITH CONCURRENT CONSTRUCTION PROJECT.

SHEET 3 OF 4



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E-301

SHEET 4 OF 4